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PHOTOGRAPHIC INTERPRETATION REPORT

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

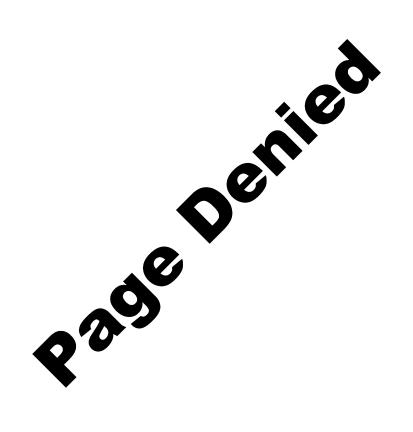
MICROWAVE FACILITIES BETWEEN LOGINOVO AND ISIL-KUL, USSR

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MICROWAVE FACILITIES BETWEEN LOGINOVO AND ISIL-KUL, USSR

- 1. This report describes a microwave relay line, consisting of 16 microwave, a TV microwave, and two TV facilities between the Soviet cities of Sverdlovsk and Isil-kul (Figure 1). This relay line is divided into two separate links. One is a R60/120 microwave link between Loginovo and Kurgan. The second link consists of nine facilities, containing unidentified microwave equipment mounted on towers and spaced about 25 nautical miles (nm) apart between Vargashi and Isil-kul. Microwave antennas could not be identified at either Sverdlovsk or Petropavlovsk.
- 2. The R60/120 link between Loginovo and Kurgan consists of seven microwave facilities. A typical facility contains a tower, a control building, and several support buildings. Each tower has four R60/120 dishes, two at the top and two at the base, in a periscopic arrangement (inset D, Figure 1). The Kurgan facility has one probable microwave dish antenna mounted on a TV tower.
- 3. The unidentified microwave relay system between Vargashi and Isil-kul contains nine facilities. The microwave towers at these facilities are similar in configuration but have varying heights (inset N, Figure 1). The unidentified line bypasses Petropavlovsk and extends north to Sokolovka. No microwave antennas were observed on the TV tower in Petropavlovsk.

4. This report provides details of microwave antenna equipment at the

referenc	es and includes a location map with photographs and me e data. The tower heights are accurate to within the 5 percent confidence level.	
a.	Sverdlovsk Radio/Relay & TV/FM Broadcast Center 56-49-40N 060-37-18E	
enclosed	re were no microwave antennas observed on this televis facility includes a large TV studio/control building	, a cooling pond,
two veni building	cle garages, a large L-shaped support building, and tos.	wo small support
b.	Bazhenovo Radio/Relay Station 56-43-15N 061-21-45E	
	s secured facility contains a self-supporting lattice, two support buildings, and a security building. The	

This is a strela periscopic reflector facility which contains a guyed tower and a control facility. Small scale of the photography precluded further identification.

the photography precluded identification of microwave elements.

c. Loginovo Radio/Relay Station 56-35-30N 061-18-35E

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d. Kamensk Uralskiy Radio/Relay Station West 56-25-46N 061-50-15E	25/1
	25X1
This is a strela periscopic reflector facility which contains a self-	
supporting lattice tower and a control building. There are two reflector dishes at the top and two reflector dishes at the base of the tower.	
e. Verkhiy Yar Microwave Facility	25X1
56-15-45N 062-55-00E	25X1
This is a strela periscopic reflector facility which contains a tower, a control building, and two small support buildings. The small scale of the	
photography precluded further identification.	
f.Shadrinsk Radio/Relay Station	25X1
56-06-10N 063-36-10E	25X1
·	
This is a strela periscopic reflector facility which contains a guyed tower, a control building, a security building, two barracks, and a support	
building. There are two reflector dishes at the top and two reflector dishes at the base of the tower.	
	25X1
g. Kargapolye Radio/Relay Station 55-57-00N 064-29-10E	
	25X1
This is a strela periscopic reflector facility which contains a tower	
and a control building. The small scale of the photography precluded further identification.	
h. Ikovka Radio/Relay Station	25X1
55-36-50N 064-56-30E	
	25X1
This is a strela periscopic reflector facility which contains a guyed lattice tower and a control building. There are two reflector dishes at the	
top and two reflector dishes at the base of the tower.	
i. Kurgan Radio/Relay & TV/FM Broadcast Center 55-25-25N 065-16-20E	25X1
77 27 27 387 28 282	25X1
This secured facility contains a self-supporting lattice television tower	
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five suppo		
e relay sys	le R60/120 microwave dish, a control bui ort buildings. The Kurgan facility lies flector, which runs to the northwest, and stem, which runs to the south-southeast.	between the strela
j. Varga 55-23	ashi Radio/Relay Station 3-20N 065-49-55E	
port buildi microwave e	,	
	azhye Radio/Relay Station 5-35N 066-29-55E	
	ared facility contains a self-supporting ings. The small scale of the photograph elements.	
	shino Radio/Relay Station 3-40N 067-14-45E	
port buildi er were und this second	ared facility consists of a self-support ings. On photography of March 1970, guy der construction. On photography of Dec d tower was abandoned. The small scale identification of microwave elements.	positions for a second ember 1970, construction
	chovo Radio/Relay Station -35N 067-55-35E	
port buildi	ared facility contains a self-supporting ings. The small scale of the photograph rowave elements.	lattice tower and two y precluded identifi-
n. Mamly 54-57	rutka Radio/Relay Station 7-40N 068-31-55E	

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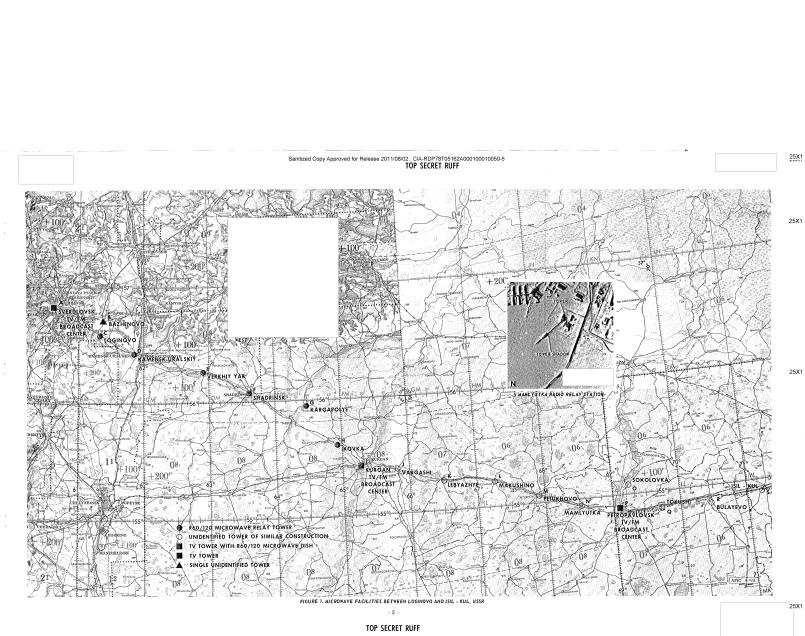
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o. Sokolovka Radio/Relay Station	25X1
55-04-45N 069-15-00E	25X1
This secured facility contains a lattice tower with two support buildings. The small scale of the photography precluded identification of microwave lements.	
p. Petropavlovsk Radio/Relay & TV/FM Broadcast Center 54-52-43N 069-06-55E	25X1
	25X1
This secured facility contains a self-supporting lattice TV tower, two control buildings, and six support buildings. There are no microwave antennas	
observed on this tower. q. Tokushi Radio/Relay Station	25X1
54-51-20N 069-44-00E	25X1
This secured facility contains a self-supporting tower and two support puildings. The small scale of the photography precluded identification of aicrowave elements.	
r. Bulayevo Radio/Relay Station 54-51-20N 070-26-00E	25X1
	25X1
This secured facility contains a self-supporting lattice tower and two support buildings. The small scale of the photography precluded identification of microwave elements.	
s. Isil-kul Radio/Relay & TV Relay Station 54-53-30N 071-13-30E	25X1
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This secured facility contains a self-supporting lattice tower, a second guyed tower, and a control building. The small scale of the photography precluded identification of microwave elements.	

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CPP. ONC Sheet D-4 & D-5, scale 1:1,000,000 (UNCLASSIFIE	ED)	
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